Soon H Hong

List of Publications by Year
in descending order

204 papers	12,000 citations	26567 56 h-index	30010 103 g-index
212 all docs	212 docs citations	212 times ranked	11987 citing authors

#	Article	IF	Citations
1	Complex anisotropic fracture behaviors of 3D-printed fiber-reinforced composites based on multi-scale hierarchical microstructure. Composites Science and Technology, 2022, 218, 109176.	3.8	10
2	Outstanding Strengthening and Toughening Behavior of 3Dâ€Printed Fiberâ€Reinforced Composites Designed by Biomimetic Interfacial Heterogeneity. Advanced Science, 2022, 9, e2103561.	5.6	11
3	Mechanical and wear properties of SiCp/CNT/Al6061 hybrid metal matrix composites. Diamond and Related Materials, 2022, 124, 108952.	1.8	13
4	Superior mechanical properties and strengthening mechanisms of lightweight AlxCrNbVMo refractory high-entropy alloys (x = 0, 0.5, 1.0) fabricated by the powder metallurgy process. Journal of Materials Science and Technology, 2021, 69, 32-41.	5.6	43
5	Strain-induced abnormal grain growth of Fe foils. Journal of Alloys and Compounds, 2021, 853, 157390.	2.8	7
6	Effect of boron addition on the microstructure and mechanical properties of refractory Al0.1CrNbVMo high-entropy alloy. International Journal of Refractory Metals and Hard Materials, 2021, 100, 105636.	1.7	12
7	Anisotropic microstructure dependent mechanical behavior of 3D-printed basalt fiber-reinforced thermoplastic composites. Composites Part B: Engineering, 2021, 224, 109184.	5.9	30
8	Enhanced mechanical and wear properties of Al6061 alloy nanocomposite reinforced by CNT-template-grown coreâ€“shell CNT/SiC nanotubes. Scientific Reports, 2020, 10, 12896.	1.6	23
9	3D microstructural characterization and mechanical properties determination of short basalt fiber-reinforced polyamide 6,6 composites. Composites Part B: Engineering, 2020, 187, 107839.	5.9	31
10	Enhanced mechanical properties of boron nitride nanosheet/copper nanocomposites via a molecular-level mixing process. Composites Part B: Engineering, 2020, 195, 108088.	5.9	23
11	Microstructures and enhanced mechanical properties of an oxide dispersion-strengthened Ni-rich high entropy superalloy fabricated by a powder metallurgical process. Journal of Alloys and Compounds, 2020, 839, 155724.	2.8	19
12	Fabrication and mechanical properties of carbon fiber/epoxy nanocomposites containing high loadings of noncovalently functionalized graphene nanoplatelets. Composites Science and Technology, 2020, 192, 108101.	3.8	73
13	Boron nitride nanoplatelets as reinforcement material for dental ceramics. Dental Materials, 2020, 36, 744-754.	1.6	16
14	Synergistic outstanding strengthening behavior of graphene/copper nanocomposites. Composites Part B: Engineering, 2019, 176, 107235.	5.9	37
15	Enhancement of the mechanical properties of basalt fiber-reinforced polyamide 6,6 composites by improving interfacial bonding strength through plasma-polymerization. Composites Science and Technology, 2019, 182, 107756.	3.8	49
16	Effect of pyrolyzed catecholamine polymers for concurrent enhancements of electrical conductivity and mechanical strength of graphene-based fibers. Composites Science and Technology, 2019, 183, 107818.	3.8	6
17	Effects of silanization and modification treatments on the stiffness and toughness of BF/SEBS/PA6,6 hybrid composites. Composites Part B: Engineering, 2019, 173, 106922.	5.9	23
18	Strengthening effect of melamine functionalized low-dimension carbon at fiber reinforced polymer composites and their interlaminar shear behavior. Composites Part B: Engineering, 2019, 173, 106976.	5.9	21

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19	The outstanding tensile strength of Ni-rich high entropy superalloy fabricated by powder metallurgical process. Materials Chemistry and Physics, 2019, 235, 121749.	2.0	12
20	Corrosion resistance of weight reduced AlxCrFeMoV high entropy alloys. Applied Surface Science, 2019, 485, 368-374.	3.1	69
21	The design and fabrication of a multilayered graded GNP/Ni/PMMA nanocomposite for enhanced EMI shielding behavior. RSC Advances, 2019, 9, 11289-11295.	1.7	17
22	Analytical study on the 3D-printed structure and mechanical properties of basalt fiber-reinforced PLA composites using X-ray microscopy. Composites Science and Technology, 2019, 175, 18-27.	3.8	88
23	Morphology-controlled synthesis of Co3O4 composites with bio-inspired carbons as high-performance supercapacitor electrode materials. Journal of Industrial and Engineering Chemistry, 2019, 74, 96-102.	2.9	30
24	Fabrication, microstructure and mechanical property of a novel Nb-rich refractory high-entropy alloy strengthened by in-situ formation of dispersoids. International Journal of Refractory Metals and Hard Materials, 2019, 81, 15-20.	1.7	20
25	Strengthening of Al0.3CoCrFeMnNi-based ODS high entropy alloys with incremental changes in the concentration of Y2O3. Scripta Materialia, 2019, 162, 477-481.	2.6	52
26	Comparison to mechanical properties of epoxy nanocomposites reinforced by functionalized carbon nanotubes and graphene nanoplatelets. Composites Part B: Engineering, 2019, 162, 283-288.	5.9	170
27	The effect of amino-silane coupling agents having different molecular structures on the mechanical properties of basalt fiber-reinforced polyamide 6,6 composites. Composites Part B: Engineering, 2019, 163, 511-521.	5.9	81
28	Fabrication of Graphene Nanoplatelet/Epoxy Nanocomposites for Lightweight and Highâ€Strength Structural Applications. Particle and Particle Systems Characterization, 2018, 35, 1700412.	1.2	13
29	Transition in microstructural and mechanical behavior by reduction of sigma-forming element content in a novel high entropy alloy. Materials and Design, 2018, 145, 11-19.	3.3	35
30	In-situ synthesis of TiC/Fe alloy composites with high strength and hardness by reactive sintering. Journal of Materials Science and Technology, 2018, 34, 1397-1404.	5.6	35
31	Microstructures and mechanical properties of mechanically alloyed and spark plasma sintered Al0.3CoCrFeMnNi high entropy alloy. Materials Chemistry and Physics, 2018, 210, 62-70.	2.0	63
32	Ultra-high strength WNbMoTaV high-entropy alloys with fine grain structure fabricated by powder metallurgical process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 616-624.	2.6	180
33	Biomimetic Artificial Nacre: Boron Nitride Nanosheets/Gelatin Nanocomposites for Biomedical Applications. Advanced Functional Materials, 2018, 28, 1805948.	7.8	44
34	High-entropy alloy strengthened by in situ formation of entropy-stabilized nano-dispersoids. Scientific Reports, 2018, 8, 14085.	1.6	55
35	Effect of oxidation of SiC particles on mechanical properties and wear behavior of SiCp/Al6061 composites. Journal of Alloys and Compounds, 2018, 769, 282-292.	2.8	49
36	Microstructure, mechanical property and Hall-Petch relationship of a light-weight refractory Al0.1CrNbVMo high entropy alloy fabricated by powder metallurgical process. Journal of Alloys and Compounds, 2018, 767, 1012-1021.	2.8	63

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37	Strength enhancement and density reduction by the addition of Al in CrFeMoV based high-entropy alloy fabricated through powder metallurgy. Materials and Design, 2018, 157, 97-104.	3.3	27
38	Ice-Templated Bimodal-Porous Silver Nanowire/PDMS Nanocomposites for Stretchable Conductor. ACS Applied Materials & Interfaces, 2018, 10, 21666-21671.	4.0	39
39	Enhanced Capacitive Deionization by Dispersion of CNTs in Activated Carbon Electrode. ACS Sustainable Chemistry and Engineering, 2018, 6, 1572-1579.	3.2	71
40	Enhanced electromagnetic interference shielding behavior of Graphene Nanoplatelet/Ni/Wax nanocomposites. Journal of Materials Chemistry C, 2017, 5, 6471-6479.	2.7	58
41	Improvement of modulus, strength and fracture toughness of CNT/Epoxy nanocomposites through the functionalization of carbon nanotubes. Composites Part B: Engineering, 2017, 129, 169-179.	5.9	194
42	High conductivity and stretchability of 3D welded silver nanowire filled graphene aerogel hybrid nanocomposites. Journal of Materials Chemistry C, 2017, 5, 8211-8218.	2.7	31
43	Thermal Properties of Carbon Nanotubes Reinforced Aluminum-Copper Matrix Nanocomposites. Journal of Nanoscience and Nanotechnology, 2016, 16, 12013-12016.	0.9	8
44	Design and application of carbon nanomaterials for photoactive and charge transport layers in organic solar cells. Nano Convergence, 2016, 3, 8.	6.3	32
45	Surface modification effects of SiC tile on the wettability and interfacial bond strength of SiC tile/Al7075-SiCp hybrid composites. Surface and Coatings Technology, 2016, 307, 399-406.	2.2	28
46	Ordered, Scalable Heterostructure Comprising Boron Nitride and Graphene for High-Performance Flexible Supercapacitors. Chemistry of Materials, 2016, 28, 7750-7756.	3.2	64
47	Dilatometric Analysis and Microstructural Investigation of the Sintering Mechanisms of Blended Elemental Ti-6Al-4V Powders. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4616-4624.	1.1	10
48	Enhancement of toughness and wear resistance in boron nitride nanoplatelet (BNNP) reinforced Si3N4 nanocomposites. Scientific Reports, 2016, 6, 27609.	1.6	45
49	Fabrication of protective-coated SiC reinforced tungsten matrix composites with reduced reaction phases by spark plasma sintering. Metals and Materials International, 2016, 22, 493-500.	1.8	14
50	Enhanced Electrical Networks of Stretchable Conductors with Small Fraction of Carbon Nanotube/Graphene Hybrid Fillers. ACS Applied Materials & Interfaces, 2016, 8, 3319-3325.	4.0	97
51	Functionalization of carbon nanotubes for fabrication of CNT/epoxy nanocomposites. Materials and Design, 2016, 95, 1-8.	3.3	159
52	Fabrication and characterization of powder metallurgy tantalum components prepared by high compaction pressure technique. Materials Characterization, 2016, 114, 225-233.	1.9	13
53	Sintering behavior, microstructural evolution, and mechanical properties of ultra-fine grained alumina synthesized via in-situ spark plasma sintering. Ceramics International, 2016, 42, 4290-4297.	2.3	13
54	Chemical Stability of Carbon Nanotubes in Aluminum Matrix for Casting Process. Journal of Nanoscience and Nanotechnology, 2016, 16, 12009-12012.	0.9	0

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55	Scalable Exfoliation Process for Highly Soluble Boron Nitride Nanoplatelets by Hydroxide-Assisted Ball Milling. Nano Letters, 2015, 15, 1238-1244.	4.5	486
56	Microstructural and Mechanical Characterization of Ti-12Mo-6Zr Biomaterials Fabricated by Spark Plasma Sintering. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1385-1393.	1.1	6
57	Fabrication of Al2O3/AlN micro-composites designed for tailored physical properties. Materials and Design, 2015, 86, 1-5.	3.3	14
58	Fabrication of ZrO2-based nanocomposites for transuranic element-burning inert matrix fuel. Nuclear Engineering and Technology, 2015, 47, 617-623.	1.1	21
59	Direct Insulationâ€toâ€Conduction Transformation of Adhesive Catecholamine for Simultaneous Increases of Electrical Conductivity and Mechanical Strength of CNT Fibers. Advanced Materials, 2015, 27, 3250-3255.	11.1	113
60	Excellent strengthâ€“ductility combination in nickel-graphite nanoplatelet (GNP/Ni) nanocomposites. Journal of Alloys and Compounds, 2015, 646, 135-144.	2.8	63
61	Spark Plasma Sintering (SPS) of Carbon Nanotube (CNT) / Graphene Nanoplatelet (GNP)-Nickel Nanocomposites: Structure Property Analysis. , 2015, , 53-79.		1
62	Effect of Recrystallization and Natural Aging on Mechanical Properties of Al-Zn-Mg-Cu-Sc Alloys. Journal of Korean Institute of Metals and Materials, 2015, 53, 844-850.	0.4	1
63	Microstructure and mechanical properties of CNT/Ag nanocomposites fabricated by spark plasma sintering. Journal of Experimental Nanoscience, 2014, 9, 588-596.	1.3	25
64	Hardness and Wear Resistance of Carbon Nanotube Reinforced Aluminum-Copper Matrix Composites. Journal of Nanoscience and Nanotechnology, 2014, 14, 9134-9138.	0.9	23
65	Strength versus ductility in carbon nanotube reinforced nickel matrix nanocomposites. Journal of Materials Research, 2014, 29, 761-769.	1.2	31
66	Fabrication of TiN/cBN and TiC/diamond coated particles by titanium deposition process. Transactions of Nonferrous Metals Society of China, 2014, 24, 3562-3570.	1.7	24
67	The effect of HfC content on mechanical properties HfCâ€“W composites. International Journal of Refractory Metals and Hard Materials, 2014, 44, 49-53.	1.7	52
68	High temperature ablation resistance of ZrNp reinforced W matrix composites. International Journal of Refractory Metals and Hard Materials, 2014, 42, 17-22.	1.7	12
69	Enhanced Durability of Polymer Electrolyte Membrane Fuel Cells by Functionalized 2D Boron Nitride Nanoflakes. ACS Applied Materials & Interfaces, 2014, 6, 7751-7758.	4.0	106
70	A simple/green process for the preparation of composite carbon nanotube fibers/yarns. RSC Advances, 2014, 4, 43235-43240.	1.7	6
71	Enhanced mechanical properties of spark plasma sintered NiTi composites reinforced with carbon nanotubes. Journal of Alloys and Compounds, 2014, 617, 505-510.	2.8	31
72	Facile method to sort graphene quantum dots by size through ammonium sulfate addition. RSC Advances, 2014, 4, 56848-56852.	1.7	13

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73	Simultaneous strengthening and toughening of reduced graphene oxide/alumina composites fabricated by molecular-level mixing process. Carbon, 2014, 78, 212-219.	5.4	116
74	Special issue of the 12th International Symposium on Novel and Nanomaterials 2012. Research on Chemical Intermediates, 2014, 40, 2391-2393.	1.3	0
75	Elevated temperature ablation resistance of HfC particle-reinforced tungsten composites. International Journal of Refractory Metals and Hard Materials, 2014, 43, 89-93.	1.7	28
76	Dry Spun 3D Woven Carbon Nanotube Anode Electrode for Li-Ion Batteries. Journal of Nanoscience and Nanotechnology, 2014, 14, 9152-9157.	0.9	1
77	Enhanced conduction and charge-selectivity by N-doped graphene flakes in the active layer of bulk-heterojunction organic solar cells. Energy and Environmental Science, 2013, 6, 3000.	15.6	127
78	Nanoporous cobalt foam and a Co/Co(OH)2 coreâ€“shell structure for electrochemical applications. Journal of Materials Chemistry A, 2013, 1, 9802.	5.2	33
79	Enhanced Mechanical Properties of Graphene/Copper Nanocomposites Using a Molecularâ€Level Mixing Process. Advanced Materials, 2013, 25, 6724-6729.	11.1	590
80	Oxidation behavior and ablation properties of MDF-based biomorphic SiC composites. Ceramics International, 2013, 39, 7475-7481.	2.3	7
81	Non-covalently functionalized single walled carbon nanotube/poly(3,4ethylenedioxythiophene):poly(styrenesulfonate) nanocomposites for organic photovoltaic cell. Synthetic Metals, 2013, 181, 92-97.	2.1	11
82	Tuning the Photoluminescence of Graphene Quantum Dots through the Charge Transfer Effect of Functional Groups. ACS Nano, 2013, 7, 1239-1245.	7.3	745
83	Salting-out as a scalable, in-series purification method of graphene oxides from microsheets to quantum dots. Carbon, 2013, 63, 45-53.	5.4	22
84	Interface analysis of ultra-high strength carbon nanotube/nickel composites processed by molecular level mixing. Carbon, 2013, 57, 282-287.	5.4	79
85	Enhanced Mechanical Properties of Epoxy Nanocomposites by Mixing Noncovalently Functionalized Boron Nitride Nanoflakes. Small, 2013, 9, 2602-2610.	5.2	183
86	Synthesis of multi-walled carbon nanotube/silver nanocomposite powders by chemical reduction in aqueous solution. Journal of Experimental Nanoscience, 2013, 8, 742-751.	1.3	17
87	Enhanced Graphitization of Carbon Around Carbon Nanotubes During the Formation of Carbon Nanotube/Graphite Composites by Pyrolysis of Carbon Nanotube/Polyaniline Composites. Journal of Nanoscience and Nanotechnology, 2013, 13, 7365-7369.	0.9	12
88	Field Emission Behavior of Carbon Nanotube Yarn for Micro-Resolution X-Ray Tube Cathode. Journal of Nanoscience and Nanotechnology, 2013, 13, 7386-7390.	0.9	4
89	Fabrication Process and Electromagnetic Wave Absorption Characterization of a CNT/Ni/Epoxy Nanocomposite. Journal of Nanoscience and Nanotechnology, 2013, 13, 7669-7674.	0.9	10
90	A new hybrid architecture consisting of highly mesoporous CNT/carbon nanofibers from starch. Journal of Materials Chemistry, 2012, 22, 20554.	6.7	30

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91	Synthesis and Characterization of Vertically Aligned Carbon Nanotube Forest for Solid State Fiber Spinning. Journal of Nanoscience and Nanotechnology, 2012, 12, 5653-5657.	0.9	3
92	Polycrystalline cubic boron nitride sintered compacts prepared from nanocrystalline TiN coated cBN powder. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 552, 151-156.	2.6	30
93	Effect of CNTs on precipitation hardening behavior of CNT/Alâ€“Cu composites. Carbon, 2012, 50, 4809-4814.	5.4	87
94	Highly dispersed carbon nanotubes in organic media for polymer:fullerene photovoltaic devices. Carbon, 2012, 50, 40-46.	5.4	37
95	Synergistic strengthening by load transfer mechanism and grain refinement of CNT/Alâ€“Cu composites. Carbon, 2012, 50, 2417-2423.	5.4	233
96	Conformal coating of titanium suboxide on carbon nanotube networks by atomic layer deposition for inverted organic photovoltaic cells. Carbon, 2012, 50, 4483-4488.	5.4	34
97	Fabrication of biomorphic SiC composites using wood preforms with different structures. Ceramics International, 2012, 38, 3089-3095.	2.3	17
98	Effect of aspect ratios of in situ formed TiB whiskers on the mechanical properties of TiBw/Tiâ€“6Alâ€“4V composites. Scripta Materialia, 2012, 66, 487-490.	2.6	175
99	Novel and versatile process for the preparation of polyvinyl alcohol composite carbon nanotube fibers/yarns. , 2011, , .		0
100	Microstructure and mechanical properties of SiC-nanowire-augmented tungsten composites. Journal of Alloys and Compounds, 2011, 509, 9060-9064.	2.8	25
101	A solâ€“gel route to nanocrystalline TiN coated cubic boron nitride particles. Journal of Alloys and Compounds, 2011, 509, 9764-9769.	2.8	7
102	Fabrication and Characterization of a 3D-Structured Field Emitter Using Carbon Nanotube. Journal of Nanoscience and Nanotechnology, 2011, 11, 6076-6079.	0.9	1
103	Electrical Conductive CNT-PVA/PC Nanocomposites with High Tensile Elongation. Journal of Nanoscience and Nanotechnology, 2011, 11, 597-601.	0.9	5
104	Mechanical and Electrical Properties of Multiwalled <scp>CNT</scp>â€Alumina Nanocomposites Prepared by a Sequential Twoâ€Step Processing of Ultrasonic Spray Pyrolysis and Spark Plasma Sintering. Journal of the American Ceramic Society, 2011, 94, 3774-3779.	1.9	62
105	Influence of embedded-carbon nanotubes on the thermal properties of copper matrix nanocomposites processed by molecular-level mixing. Scripta Materialia, 2011, 64, 181-184.	2.6	86
106	Enhanced electrical properties in carbon nanotube/poly (3-hexylthiophene) nanocomposites formed through non-covalent functionalization. Nano Research, 2011, 4, 1129-1135.	5.8	33
107	Highâ€Strength Carbon Nanotube Fibers Fabricated by Infiltration and Curing of Musselâ€Inspired Catecholamine Polymer. Advanced Materials, 2011, 23, 1971-1975.	11.1	193
108	Preparation of Nanocrystalline TiN Coated Cubic Boron Nitride Powders by a Solâ€“Gel Process. Journal of Nanoscience and Nanotechnology, 2011, 11, 363-367.	0.9	5

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109	Bonding Quality of Copper-Nickel Fine Clad Metal Prepared by Surface Activated Bonding. Materials Transactions, 2010, 51, 787-792.	0.4	1
110	Effect of welding heat input on microstructure and mechanical properties of simulated HAZ in Cu containing microalloyed steel. Journal of Materials Science, 2010, 45, 1248-1254.	1.7	54
111	Microstructure and tensile behavior of Al and Al-matrix carbon nanotube composites processed by high pressure torsion of the powders. Journal of Materials Science, 2010, 45, 4652-4658.	1.7	44
112	Versatile Carbon Hybrid Films Composed of Vertical Carbon Nanotubes Grown on Mechanically Compliant Graphene Films. Advanced Materials, 2010, 22, 1247-1252.	11.1	307
113	Mechanical and Electrical Properties of Carbon Nanotube/Cu Nanocomposites by Molecular-Level Mixing and Controlled Oxidation Process. Journal of Nanoscience and Nanotechnology, 2010, 10, 78-84.	0.9	25
114	Synthesis and characterization of CNT/LNMC nanocomposite electrode for Lithium Ion Battery. , 2010, , .		0
115	Effect of liquid phase composition on the microstructure and properties of (W,Ti)C cemented carbide cutting tools. International Journal of Refractory Metals and Hard Materials, 2009, 27, 83-89.	1.7	34
116	Effect of binder compositions on microstructure, hardness and magnetic properties of (Ta,Nb)Câ€“Co and (Ta,Nb)Câ€“Ni cemented carbides. International Journal of Refractory Metals and Hard Materials, 2009, 27, 669-675.	1.7	21
117	Fabrication of high temperature oxides dispersion strengthened tungsten composites by spark plasma sintering process. International Journal of Refractory Metals and Hard Materials, 2009, 27, 842-846.	1.7	185
118	Electrical and mechanical properties of carbon nanotube reinforced copper nanocomposites fabricated by electroless deposition process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 513-514, 247-253.	2.6	283
119	Coating of carbon nanotubes on flexible substrate and its adhesion study. Applied Surface Science, 2009, 255, 7084-7089.	3.1	56
120	Multi-walled carbon nanotube/Co composite field emitters fabricated by in situ spray coating. Carbon, 2009, 47, 1276-1281.	5.4	8
121	Advancements of Synthesis, Manufacture and Analysis of Nanocompsites in Korea. , 2009, , .		0
122	Highly entangled carbon nanotube scaffolds by self-organized aqueous droplets. Soft Matter, 2009, 5, 2343-2346.	1.2	70
123	Analytical modeling to calculate the hardness of ultra-fine WCâ€“Co cemented carbides. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 489, 234-244.	2.6	19
124	Effects of microstructure on flexural strength of biomorphic C/SiC composites. International Journal of Fracture, 2008, 151, 233-245.	1.1	11
125	The Role of Interfacial Oxygen Atoms in the Enhanced Mechanical Properties of Carbonâ€Nanotubeâ€Reinforced Metal Matrix Nanocomposites. Small, 2008, 4, 1936-1940.	5.2	177
126	Mechanical and electrical properties of cross-linked carbon nanotubes. Carbon, 2008, 46, 482-488.	5.4	82

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127	Effect of size and location of spherical pores on transverse rupture strength of WC-Co cemented carbides. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 486, 404-408.	2.6	30
128	Nonvolatile Memory Characteristics of NMOSFET With Ag Nanocrystals Synthesized via a Thermal Decomposition Process for Uniform Device Distribution. IEEE Nanotechnology Magazine, 2008, 7, 145-150.	1.1	8
129	Globularization Behavior of ELI Grade Ti-6Al-4V Alloy during Non-Isothermal Multi-Step Forging. Materials Transactions, 2008, 49, 215-223.	0.4	11
130	Electrical conducting behavior of hybrid nanocomposites containing carbon nanotubes and carbon black. , 2007, , .		2
131	A thickness modulation effect of HfO2 interfacial layer between double-stacked Ag nanocrystals for nonvolatile memory device applications. Journal of Applied Physics, 2007, 101, 026109.	1.1	18
132	Effect of mechanical alloying process on microstructure and mechanical properties of ODS tungsten heavy alloys. Journal of Alloys and Compounds, 2007, 434-435, 433-436.	2.8	38
133	Tailored Field-Emission Property of Patterned Carbon Nitride Nanotubes by a Selective Doping of Substitutional N(sN) and Pyridine-like N(pN) Atoms. Chemistry of Materials, 2007, 19, 2918-2920.	3.2	54
134	Dependence of particle volume fraction on sound velocity and attenuation of EPDM composites. Ultrasonics, 2007, 46, 177-183.	2.1	7
135	Hardness and wear resistance of carbon nanotube reinforced Cu matrix nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 46-50.	2.6	144
136	Effect of oxide dispersoids addition on mechanical properties of tungsten heavy alloy fabricated by mechanical alloying process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 452-453, 55-60.	2.6	30
137	Effect of two-stage sintering process on microstructure and mechanical properties of ODS tungsten heavy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 458, 323-329.	2.6	49
138	Synergistic Strengthening Effect of Ultrafine-Grained Metals Reinforced with Carbon Nanotubes. Small, 2007, 3, 840-844.	5.2	42
139	Bilayer thickness effects on nanoindentation behavior of Ag/Ni multilayers. Scripta Materialia, 2007, 57, 703-706.	2.6	48
140	Mechanism for controlling the shape of Cu nanocrystals prepared by the polyol process. Journal of Materials Research, 2006, 21, 2371-2378.	1.2	21
141	Sintering behaviour and microstructures of carbides and nitrides for the inert matrix fuel by spark plasma sintering. Journal of Nuclear Materials, 2006, 352, 341-348.	1.3	65
142	Microstructures and tensile behavior of carbon nanotube reinforced Cu matrix nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 430, 27-33.	2.6	252
143	Effect of WC/TiC grain size ratio on microstructure and mechanical properties of WCâ€“TiCâ€“Co cemented carbides. International Journal of Refractory Metals and Hard Materials, 2006, 24, 109-114.	1.7	50
144	Intermixing criteria for reaction synthesis of Ni/Al multilayered microfoils. Scripta Materialia, 2006, 54, 1715-1719.	2.6	25

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145	Modification of anisotropic mechanical properties in recrystallized oxide dispersion strengthened ferritic alloy. Scripta Materialia, 2006, 54, 1703-1707.	2.6	16
146	Field-Emission Behavior of a Carbon-Nanotube-Implanted Co Nanocomposite Fabricated from Pearl-Necklace-Structured Carbon Nanotube/Co Powders. Advanced Materials, 2006, 18, 553-558.	11.1	57
147	Nonvolatile memory characteristics of NMOSFET with siliver nanocrystals synthesized by thermal decomposition process. , 2006, , .		0
148	Effect of texture on the magnetostriction of grain-aligned composite Terfenol-D. Journal of Applied Physics, 2006, 100, 123905.	1.1	2
149	Tensile and fracture properties of NiAl/Ni micro-laminated composites prepared by reaction synthesis. Journal of Materials Research, 2006, 21, 1141-1149.	1.2	9
150	Hardness and fracture toughness of ultra-fine WC-10Co-X cemented carbides prepared from nanocrystalline powders. International Journal of Materials Research, 2005, 96, 172-176.	0.8	1
151	Fabrication of carbon nanotube reinforced alumina matrix nanocomposite by solâ€“gel process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 395, 124-128.	2.6	152
152	Strengthening and toughening of carbon nanotube reinforced alumina nanocomposite fabricated by molecular level mixing process. Scripta Materialia, 2005, 53, 793-797.	2.6	222
153	Extraordinary Strengthening Effect of Carbon Nanotubes in Metal-Matrix Nanocomposites Processed by Molecular-Level Mixing. Advanced Materials, 2005, 17, 1377-1381.	11.1	592
154	Reaction synthesis and microstructures of NiAl/Ni micro-laminated composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 396, 376-384.	2.6	60
155	Characterization of elastic moduli of Cu thin films using nanoindentation technique. Composites Science and Technology, 2005, 65, 1401-1408.	3.8	44
156	Ferromagnetic Cobalt Nanodots, Nanorices, Nanowires and Nanoflowers by Polyol Process. Journal of Materials Research, 2005, 20, 2148-2153.	1.2	49
157	Magnetostriction and magnetomechanical coupling of grain-aligned Tb0.33Dy0.67Feyâ€‰/epoxy-filled composites. Journal of Applied Physics, 2005, 97, 113905.	1.1	6
158	Characterization of Carbon Nanotubes/Cu Nanocomposites Processed by Using Nano-sized Cu Powders. Materials Research Society Symposia Proceedings, 2004, 821, 134.	0.1	14
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